



National Aeronautics and
Space Administration

John H. Glenn Research Center
at Lewis Field

Lewis' Educational and Research Collaborative Internship Program (LERCIP)

2005 SUMMER INTERNSHIP FOR SECONDARY TEACHERS

"To inspire the next generation of explorers... as only NASA can."

Program Description

This is an educational program that provides a summer opportunity for teachers interested in expanding their knowledge in the areas of Science, Technology, Engineering, and Mathematics (STEM). Internships of a 10-week duration are available during the summer months at the NASA John H. Glenn Research Center (GRC). The internships are offered under the auspices of Lewis' Educational and Research Collaborative Internship Program (LERCIP) and is a collaborative undertaking of GRC's Educational Programs Office (EPO) and the Ohio Aerospace Institute (OAI). The LERCIP program also has the following other internship opportunities: college, scholar, teacher and high school students. Interested applicants can obtain LERCIP application information and respective deadline dates by accessing the following websites: (<http://www.grc.nasa.gov/WWW/OEP>) or (<http://www.oai.org>).

Program Goal

Internships are intended to provide teachers with professional experiences to enhance their academic skills and abilities in the classroom. When possible, teachers are given assignments in science and technology, research and development under the guidance of a NASA staff member who serves as the mentor. Program activities include oral presentations, and a variety of enrichment activities. Because of the program's short duration and intensive requirements, no vacation time can be taken during the internship. If selected, the teacher must be present for the entire 5-day, 40-hours per week (8:00 am to 4:30 pm, Monday through Friday) assignment.

Glenn Research Center

NASA's vision is: To improve life here, to extend life to there, to find life beyond. NASA's mission is: To understand and protect our home planet, to explore the Universe and search for life. As one of NASA's 10 field centers, GRC makes many unique contributions. GRC leads NASA research and development in the area of Aeropropulsion, Turbomachinery and Microgravity Science. The Center plays a significant role in the Agency's role to promote economic growth and national security through safe, superior, and environmentally compatible U.S. civil and military aircraft propulsion systems. You are encouraged to visit the GRC home page to learn more about our research activities and programs at <http://www.grc.nasa.gov>.

GRC is located in the Great Lakes region of Ohio and occupies a 350-acre site, adjacent to Cleveland Hopkins International Airport. The Center comprises over 150 buildings which contains a unique collection of world-class facilities.

Ohio Aerospace Institute

OAI is a private, nonprofit organization whose purpose is to advance aerospace-related capabilities through industry university/government collaboration. Such partnerships have led to critical solutions for aerospace applications, developed new technologies in medical science, created improved design/manufacturing and measurement systems, and provided educational enrichment and support to faculty and students. OAI is located next to GRC' West area. For more information on OAI visit <http://www.oai.org>.

Eligibility Requirements

Applicants must be **U.S. CITIZENS** who are employed full-time as secondary school teachers. **Application deadline date: January 31, 2005.**

Application Information

Teachers seeking internships must submit an application. You will be sent a postcard or an email (if provided) acknowledging receipt of your application. All teachers are required to complete the entire 10-week tenure. The program does not provide for vacation time and such time should be scheduled outside the tenure period.

Additional information may be obtained by contacting any of the following:

OAI

Email: internships@oai.org

Phone: 440-962-3170 ext. 5006

NASA GRC

Email: intern@grc.nasa.gov

Phone: 216-433-6656

Application materials must be received no later than **JANUARY 31, 2005**, to assure consideration. Application materials received after the deadline will not be considered or processed. **FAXED copies are unacceptable.**

Teacher Selection Criteria

Selection in this program is very competitive and is based on the following:

- GRC organizational, programmatic and budgetary commitments
- Area of Instruction and relative coursework
- Performance background and research interests
- Teacher/Mentor availability

TEACHERS IDENTIFIED FOR INTERNSHIP POSITIONS should be notified of internship appointment via offer letter by APRIL 15, 2005. Due to the large number of applicants, ONLY SELECTED CANDIDATES WILL BE NOTIFIED.

Teachers receive a biweekly stipend of \$2000.00 for their summer appointment. The normal statutory tax withholdings will be withheld, and is dependent on the tax status submitted by the participant. This program does not provide unemployment compensation to participants.

Travel Reimbursement

One round-trip travel reimbursement will be provided to participants whose city of permanent residence are more than 50 miles from Cleveland **and relocate** for the program. Reimbursement is based on student's permanent residence and shortest-route. Mileage @ 37.5 cents per mile will be paid to eligible students approximately one week **after** tenure begins.

Internship Dates for 2005

<i>Session I:</i>	<i>May 23 to July 29, 2005</i>
<i>Session II:</i>	<i>June 6 to August 12, 2005</i>
<i>Session III:</i>	<i>June 13 to August 19, 2005</i>

Housing Accommodations

If selected, you are responsible for making their own housing and travel arrangements. This program does not provide living expenses. If a list of short-term housing is desired, check the appropriate box on the application and one will be provided to you. Please understand that the housing list has been assembled by OAI for your convenience. **Accommodations on the list have not been checked and OAI does not advocate them over other accommodations you may find on your own.** If selected for the program, you are encouraged to start your search for housing as soon as possible. See Housing Section on page two of application.

2005 TEACHER APPLICATION FORM

Please type or print in black ink only.

Legal name: _____ **Date of birth:** _____
First MI Last Month Date Year (i.e. 10/15/2004)

Place of birth: _____ **Gender:** ☐ Male ☐ Female
City, State, Country

U.S. Citizen ☐ Yes ☐ No Note: if U.S. citizen and born outside the U.S. or Puerto Rico you must provide the information requested below and if selected provide documentation prior to start date.

Naturalization number: _____ Date issued: _____ Date expired: _____

Passport number: _____ Date issued: _____ Date expired: _____

YOU MUST PROVIDE BOTH ADDRESSES:

PERMANENT (HOME) ADDRESS:

City State Zip code

Telephone: (____) _____

Alternate telephone: (____) _____

E-mail address: _____

SCHOOL NAME: _____
ADDRESS: _____

City State Zip code

Telephone: (____) _____

Alternate telephone: (____) _____

E-mail address at school if different:

Please check box below where you want any LERCIP program correspondence sent:

- Prior to April 15th: ☐ Permanent Home Address ☐ School Address
 - After April 15th: ☐ Permanent Home Address ☐ School Address
-

Have you previously participated in a NASA or Federal program? ☐ Yes ☐ No

If yes, please list program(s) and year of participation:

1. _____
Program name Year
2. _____
Program name Year
3. _____
Program name Year

PROGRAM USE ONLY

Date received: _____ PR requirement: \$ _____

Date processed: _____ ☐ 99

Initials: _____

PLACEMENT INFORMATION

Faculty position _____ Grade levels teaching: _____

Indicate highest degree attained:

☐ Baccalaureate/B.A. or B.S. ☐ Master's/Master's equivalency ☐ Doctorate

_____	_____	_____	_____	_____	_____
Degree achieved	Year	Degree achieved	Year	Degree achieved	Year

Indicate any degrees or academic programs on which you are currently working:

☐ Baccalaureate/B.A. or B.S. ☐ Master's/Master's equivalency ☐ Doctorate

_____	_____	_____
Degree	Degree	Degree

Areas of Concentration:

<input type="checkbox"/> Engineering	<input type="checkbox"/> Mathematics	<input type="checkbox"/> Social sciences	<input type="checkbox"/> Education
<input type="checkbox"/> Humanities	<input type="checkbox"/> Science	<input type="checkbox"/> Technology	

Primary areas of instruction (check all that apply):

<input type="checkbox"/> All subjects	<input type="checkbox"/> Earth sciences	<input type="checkbox"/> Mathematics	<input type="checkbox"/> Technology education
<input type="checkbox"/> Astronomy	<input type="checkbox"/> Engineering	<input type="checkbox"/> Physical sciences	<input type="checkbox"/> Vocational/technical
<input type="checkbox"/> Biology	<input type="checkbox"/> Env. sciences	<input type="checkbox"/> Physics	
<input type="checkbox"/> Chemistry	<input type="checkbox"/> General science	<input type="checkbox"/> Social studies	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Computer sciences	<input type="checkbox"/> Life sciences	<input type="checkbox"/> Special education	

Indicate Preference by checking appropriate box below:

☐ Session I: May 23 to July 29, 2005 ☐ Session II: June 6 to August 12, 2005 ☐ Session III: June 13 to August 19, 2005

How did you learn about the program?

<input type="checkbox"/> Faculty member or school official	<input type="checkbox"/> Relative who works for NASA/NASA contractor:
<input type="checkbox"/> Group visit to Glenn Research Center	_____
<input type="checkbox"/> Inquiry to NASA about summer opportunities	Name/relationship
<input type="checkbox"/> NASA Website	_____
<input type="checkbox"/> GRC Educational Programs Staff	Company name/area/organization
<input type="checkbox"/> GRC Educational Programs Website	_____
<input type="checkbox"/> Friend who participated in LERCIP	
<input type="checkbox"/> Prior LERCIP Participant	
<input type="checkbox"/> Other (please specify): _____	

☐ **SEMAA:** Site Name: _____ Date: _____

☐ **NASA Explorers School** Name: _____ Date: _____

☐ **YES**, I would like to be notified of any other internship opportunities that may become available.

HOUSING INFORMATION:

If selected, do you need to be provided with the program's short-term housing list? ☐ **YES** ☐ **NO**

Do we have your permission to include your name and email address in a listing to be sent to selected students interested in shared housing? ☐ **YES** ☐ **NO** (If selected, you are encouraged to start your search for housing.)

2005 TEACHER APPLICATION FORM

Please type or print in black ink only.

Legal name: _____ **Date of birth:** _____
First MI Last Month Date Year (i.e. 10/15/2004)

Place of birth: _____ **Gender:** ☐ Male ☐ Female
City, State, Country

U.S. Citizen ☐ Yes ☐ No Note: if U.S. citizen and born outside the U.S. or Puerto Rico you must provide the information requested below and if selected provide documentation prior to start date.

Naturalization number: _____ Date issued: _____ Date expired: _____

Passport number: _____ Date issued: _____ Date expired: _____

YOU MUST PROVIDE BOTH ADDRESSES:

PERMANENT (HOME) ADDRESS:

City State Zip code

Telephone: (____) _____

Alternate telephone: (____) _____

E-mail address: _____

SCHOOL NAME: _____
ADDRESS: _____

City State Zip code

Telephone: (____) _____

Alternate telephone: (____) _____

E-mail address at school if different:

Please check box below where you want any LERCIP program correspondence sent:

- Prior to April 15th: ☐ Permanent Home Address ☐ School Address
- After April 15th: ☐ Permanent Home Address ☐ School Address

Have you previously participated in a NASA or Federal program? ☐ Yes ☐ No

If yes, please list program(s) and year of participation:

1. _____
Program name Year

2. _____
Program name Year

3. _____
Program name Year

PROGRAM USE ONLY

Date received: _____

PR requirement: \$ _____

Date processed: _____

☐ 99

Initials: _____

PLACEMENT INFORMATION

Faculty position _____ Grade levels teaching: _____

Indicate highest degree attained:

☐ Baccalaureate/B.A. or B.S. ☐ Master's/Master's equivalency ☐ Doctorate

_____	_____	_____	_____	_____	_____
Degree achieved	Year	Degree achieved	Year	Degree achieved	Year

Indicate any degrees or academic programs on which you are currently working:

☐ Baccalaureate/B.A. or B.S. ☐ Master's/Master's equivalency ☐ Doctorate

_____	_____	_____
Degree	Degree	Degree

Areas of Concentration:

☐ Engineering ☐ Mathematics ☐ Social sciences ☐ Education
☐ Humanities ☐ Science ☐ Technology

Primary areas of instruction (check all that apply):

<input type="checkbox"/> All subjects	<input type="checkbox"/> Earth sciences	<input type="checkbox"/> Mathematics	<input type="checkbox"/> Technology education
<input type="checkbox"/> Astronomy	<input type="checkbox"/> Engineering	<input type="checkbox"/> Physical sciences	<input type="checkbox"/> Vocational/technical
<input type="checkbox"/> Biology	<input type="checkbox"/> Env. sciences	<input type="checkbox"/> Physics	
<input type="checkbox"/> Chemistry	<input type="checkbox"/> General science	<input type="checkbox"/> Social studies	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Computer sciences	<input type="checkbox"/> Life sciences	<input type="checkbox"/> Special education	

Indicate Preference by checking appropriate box below:

☐ Session I: May 23 to July 29, 2005 ☐ Session II: June 6 to August 12, 2005 ☐ Session III: June 13 to August 19, 2005

How did you learn about the program?

<input type="checkbox"/> Faculty member or school official	<input type="checkbox"/> Relative who works for NASA/NASA contractor:
<input type="checkbox"/> Group visit to Glenn Research Center	_____
<input type="checkbox"/> Inquiry to NASA about summer opportunities	Name/relationship
<input type="checkbox"/> NASA Website	_____
<input type="checkbox"/> GRC Educational Programs Staff	Company name/area/organization
<input type="checkbox"/> GRC Educational Programs Website	_____
<input type="checkbox"/> Friend who participated in LERCIP	
<input type="checkbox"/> Prior LERCIP Participant	
<input type="checkbox"/> Other (please specify): _____	

☐ **SEMAA:** Site Name: _____ Date: _____

☐ **NASA Explorers School** Name: _____ Date: _____

☐ **YES**, I would like to be notified of any other internship opportunities that may become available.

HOUSING INFORMATION:

If selected, do you need to be provided with the program's short-term housing list? ☐ **YES** ☐ **NO**

Do we have your permission to include your name and email address in a listing to be sent to selected students interested in shared housing? ☐ **YES** ☐ **NO** (If selected, you are encouraged to start your search for housing.)

Academic honors/awards (please include year of award)

Work experience:

Teacher Narrative Statement

(Type or print in black ink only)

Name: _____ Date: _____

In the space below, tell us what you would like to achieve during your internship at GRC.

*Areas to address: reason(s) for wanting to participate in LERCIP, potential placement areas, how this internship would help you pursue your career interests/aspirations, how **both** you and NASA will benefit if you are selected to participate.*

TEACHER CERTIFICATION

(Completion of form is required for processing of application)

I certify, by my signature below, that I am a citizen of the United States of America and that all information contained in this application is accurate and correct. I further understand and agree that any misrepresentation or inaccurate information on this completed application will be cause for disqualification for consideration and from participation in the LERCIP program and other NASA Programs. I also understand that if selected to participate, I must participate for the full duration of the program and failure to do so or abide by the program policies if selected will result in the immediate termination of my internship. I understand that participation in the program does not entitle me to unemployment compensation.

Printed legal name: _____

Signature: _____ Date: _____

PAST LERCIP Participants Only:

If you were a 2004 LERCIP Participant, would you like to return to the same organization and mentor? ☐ Yes ☐ No

If yes, you are encouraged to contact the mentor and let him/her know that you have applied for 2005 and if summer positions are available in his/her respective organization you would like to be considered. Remember there is **NO** guarantee of a position, as organizational and budgetary needs change each year.

REFERENCES:

You must provide two references other than the faculty/teacher providing your recommendation for the program.

- | | |
|--------------------------------|--|
| 1. _____
<i>Name, title</i> | (_____) _____
<i>Telephone number</i> |
| 2. _____
<i>Name, title</i> | (_____) _____
<i>Telephone number</i> |
-

TEACHER INFORMATION

Name: _____

Gender: ☐ Male ☐ Female

Program you are applying for: LERCIP Teacher

In order to determine the degree to which members of each ethnic/racial group are reached by this announcement, NASA requests that the student check the appropriate block(s) below. Submission of this information is VOLUNTARY. Please complete and return with application materials.

Ethnicity background

1. ☐ Hispanic/Latino(a)
2. ☐ White (Non-Hispanic)
3. ☐ Black or African-American (Non-Hispanic)
4. ☐ Native Hawaiian or Pacific Islander (Non-Hispanic)
5. ☐ Asian (Non-Hispanic)
6. ☐ American Indian or Alaska Native (Non-Hispanic)
7. ☐ Two or more races

Individual with disabilities*

1. ☐ Yes ☐ No

If yes, please specify: _____

2. Please list any special accommodations required:

* A person having a physical or mental impairment that substantially limits one or more major life activities, has a record of such impairment, or is regarded as having such impairment.

The information solicited on this form will not be available to those responsible for reviewing applications, but will be used by OAI/NASA primarily to determine the extent to which various populations are represented in the applicant pool. This information will remain strictly confidential.

APPLICATION REMINDERS

Before submitting your application package you should review it thoroughly. Special attention should be given to eligibility requirements, program dates, and deadlines. Be sure that you have supplied all information and materials requested. You are encouraged to make a copy of your completed application package for your records, as we are unable to return any application materials submitted.

COMPLETED APPLICATION CHECKLIST (check off when completed):

- ☐ 1. 2005 Application
- ☐ 2. Placement Information
- ☐ 3. Narrative Statement
- ☐ 4. Academic Information
- ☐ 5. Certification (*Name printed, signed and dated*)
- ☐ 6. Information
- ☐ 7. Original, signed application
- ☐ 8. Three, complete copies of application, NOT including original (*Applications that do not have the required copies are considered incomplete and will not be processed.*)

Mail your **completed** application package to:

**Ohio Aerospace Institute
Attn: LERCIP
22800 Cedar Point Road
Cleveland, OH 44142**

Questions or additional information, contact:

OAI Telephone: 440-962-3170 Ext. 5006 or email: internships@oai.org or intern@grc.nasa.gov

Visit the following websites to find out more information:
OAI <http://www.oai.org> or NASA GRC: <http://www.grc.nasa.gov>

**APPLICATION OR APPLICATION MATERIALS RECEIVED AFTER
THE DEADLINE JANUARY 31, 2005, WILL NOT BE PROCESSED
AND ARE CONSIDERED INELIGIBLE—NO EXCEPTIONS.**